

**PARALLEL CELL ID ACQUISITION IN FREQUENCY
DIVISION MULTIPLE ACCESS SYSTEMS**

[0057] This disclosure is directed to cell acquisition techniques for telecommunication systems that implement FDMA and TDMA techniques, such as GSM systems. The techniques make efficient use of processing time in order to accelerate the cell acquisition process. Upon acquiring synchronization information of a first cell of an FDMA system, the timing for the acquisition of cell identification (ID) information associated with the first cell can be scheduled based on the synchronization information of the first cell. Synchronization information of a second cell of the FDMA system can then be acquired prior to acquiring the cell ID information associated with the first cell. Moreover, synchronization information of a additional cells may similarly be acquired prior to acquiring the cell ID information associated with the first cell. In this manner, efficient use of processing time can be achieved between the acquisition of synchronization information and the acquisition of cell ID information.